ENDF/B-IV BE-9
Principal cross sections

Cross section (barns)

Energy (MeV)

total
absorption
elastic
gamma production
ENDF/B-IV BE-9

Damage

Energy (MeV) vs. Damage (MeV-barns) graph.
ENDF/B-IV BE-9
Non-threshold reactions

Cross section (barns) vs. Energy (MeV) graph with a line representing the reaction (\(n,g\text{ma}\)).
ENDF/B-IV BE-9
Non-threshold reactions

Energy (MeV)

Cross section (barns)

10^{-3}

10^{-4}

10^{-5}

(n,gma)

Energy (MeV)
ENDF/B-IV BE-9
Threshold reactions

Cross section (barns)

Energy (MeV)

(n,t)
(n,a)
ENDF/B-IV BE-9
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,xp)
(n,xd)
(n,xt)
(n,xa)
(n,t^0)
ENDF/B-IV BE-9
angular distribution for elastic
ENDF/B-IV BE-9
angular distribution for (n, 1/2*1)
ENDF/B-IV BE-9
angular distribution for (n,1/2*2)
ENDF/B-IV BE-9
angular distribution for (n,1/2*3)
ENDF/B-IV BE-9
angular distribution for (n,1/2\*4)
ENDF/B-IV BE-9
angular distribution for (n,2/2*1)
ENDF/B-IV BE-9
angular distribution for \( (n,2/2^*2) \)
ENDF/B-IV BE-9
angular distribution for (n,2/2*3)
ENDF/B-IV BE-9
angular distribution for (n,2/2*4)
ENDF/B-IV BE-9
Neutron emission for \((n,2/2^*1)\)
ENDF/B-IV BE-9
Neutron emission for (n,2/2*2)
ENDF/B-IV BE-9
Neutron emission for (n,2/2*3)
ENDF/B-IV BE-9
Neutron emission for (n,2/2*4)
ENDF/B-IV BE-9
Photon emission for (n,gma)
ENDF/B-IV BE-9
Photon emission for (n,t*1)
ENDF/B-IV BE-9
thermal capture photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)
ENDF/B-IV BE-9
14 MeV photon spectrum

Gamma Energy (MeV)

Gamma Prod (barns/MeV)